PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER See Form PCT/ISA/220			
CMRN:0050PCT	ACTION			
International application No.	International filing date (day/mont	h/year)	(Earliest) Priority Date (day/month/year)	
PCT/US2007/084879	15/11/2007		18/12/2006	
Applicant				
	•			
CAMERON INTERNATIONAL CORE	PORATION	-		
This international search report has been according to Article 18. A copy is being tre			ority and is transmitted to the applicant	
This international search report consists o	f a total ofshe	ets.		
X It is also accompanied by	a copy of each prior art document of	ited in this	report.	
a translation of the	international search was carried ou pplication in the language in which e international application into raished for the purposes of internati	it was filed	, which is the language	
b. This international search rauthorized by or notified to	eport has been established taking i o this Authority under Rule 91 (Rule	nto accoun 43.6 <i>bls</i> (a)	t the rectification of an obvious mistake .).	
c. With regard to any nucleo	otide and/or amino acid sequence	disclosed	In the International application, see Box No. I.	
2. Certain claims were four	nd unsearchable (See Box No. II)			
3. Unity of invention is lack	king (see Box No III)	. • •		
4. With regard to the title,	•		•	
X the text is approved as su	* **	. ·		
the text has been establish	hed by this Authority to read as folk	ows:		
		•		
	•			
5. With regard to the abstract,	rino resultante de la compansión de la comp			
X the text is approved as su	* ***	ble Authorli	ty as It appears in Box No. IV. The applicant	
may, within one month fro	m the date of mailing of this interna	tional sear	ch report, submit comments to this Authority	
6. With regard to the drawings,				
a. the figure of the drawings to be p	ublished with the abstract is Figure	No. <u>4</u>		
X as suggested by t				
as selected by this	s Authority, because the applicant f	ailed to sug	ggest a figure	
as selected by this	s Authority, because this figure bett	er characte	orizes the invention	
b. none of the figures is to be	published with the abstract			

Form PCT/ISA/210 (first sheet) (April 2007)

INT. NATIONAL SEARCH REPORT

International application No PCT/US2007/084879

CLASSIFICATION OF SUBJECT MATTER NV. E21B33/035 E21B3 E21B33/038 E21B43/36 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. WO 2005/083228 A (ENHANCED RECOVERY LTD 1 - 25DES [GB]; DONALD IAN [GB]; REID JOHN [GB]; CRAWF) 9 September 2005 (2005-09-09) claims 1,24,25,28,30,31; figures 4-10,14,16 X WO 03/078793 A (ABB OFFSHORE SYSTEMS AS 1-13, [NO]; OESTERGAARD INGE [NO]) 20-25 25 September 2003 (2003-09-25) page 3, line 4 - line 12; figures 1-3,22 page 3, line 21 - line 28 page 5, line 21 - line 24 page 10, line 21 - line 27 page 11, line 28 - line 31 page 18, line 26 - line 32 Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the International filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the document defining the general state of the last which is not considered to be of particular relevance Invention. earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 6 June 2008 13/06/2008 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Dantinne, Patrick

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INT .NATIONAL SEARCH REPORT

Interstational application No
PCT/US2007/084879

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	WO 00/47864 A (FMC CORP [US]; ANDERSEN TORE [NO]; BREDA JOEREN [NO]; GATHERAR NICHOLA) 17 August 2000 (2000-08-17) page 4, line 6 - line 24 page 5, line 29 - page 6, line 9 page 13, line 23 - line 31; figures 3,4 figures 25-35		1-13, 20-25	
X	WO 03/033868 A (ALPHA THAMES LTD [GB]; APPLEFORD DAVID ERIC [GB]; LANE BRIAN WILLIAM [) 24 April 2003 (2003-04-24) claims 1,4,5; figures 1,2,4		1-12, 20-25	
A	WO 2005/047646 A (ENHANCED RECOVERY LTD DES [GB]; DONALD IAN [GB]; REID JOHN [GB]) 26 May 2005 (2005-05-26) cited in the application abstract		14,15	
,		. •		
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IN NATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2007/084879

Patent document cited in search report		Publication date	÷	Patent family member(s)	Publication date
WO 2005083228	А	09-09-2005	AU BR CA EP	2005216412 A PI0508049 A 2555403 A 1721058 A	17-07-2007 1 09-09-2005
WO 03078793	Α	25-09-2003	AU GB NO US	2003206458 A 2402687 A 20020989 A 2005173322 A	15-12-2004 29-08-2003
WO 0047864	A	17-08-2000	AU BR CA EP	2453300 A 0009965 A 2362810 A 1151178 A	
WO 03033868	Α	24-04-2003	AT BR EP NO US	326611 T 0213625 A 1444415 A 20041929 A 2004251030 A	11-05-2004
WO 2005047646	Ą	26-05-2005	AU CA	2004289864 A 2526714 A	

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US2007/084879 15.11.2007 18.12.2006 International Patent Classification (IPC) or both national classification and IPC INV. E21B33/035 E21B33/038 E21B43/36 Applicant CAMERON INTERNATIONAL CORPORATION This opinion contains indications relating to the following items: Box No. I Basis of the opinion ☐ Box No. II **Priority** □ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI-Certain documents cited ☐ Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized Officer Name and mailing address of the ISA: Date of completion of this opinion European Patent Office - P.B. 5818 Patentidage form NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Dantinne, Patrick PCT/ISA/210

Telephone No. +31 70 340-3396

Fax: +31 70 340 - 3016

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2007/084879

_	Box N	lo. I Basis of the opinion					
1.	With r	egard to the language, this opinion has been established on the basis of:					
	⊠ th	e international application in the language in which it was filed					
	□ a pı	translation of the international application into , which is the language of a translation furnished for the urposes of international search (Rules 12.3(a) and 23.1 (b)).					
2.	☐ Ti by	nis opinion has been established taking into account the rectification of an obvious mistake authorized or notified to this Authority under Rule 91 (Rule 43bis.1(a))					
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
	a. type	of material:					
		a sequence listing					
	, <u> </u>	table(s) related to the sequence listing					
	b. form	nat of material:					
		on paper					
		in electronic form					
	c. time	of filing/furnishing:					
		contained in the international application as filed.					
		filed together with the international application in electronic form.					
		furnished subsequently to this Authority for the purposes of search.					
·4.	ha co ap	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2007/084879

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No: Claims

<u>1-25</u>

Inventive step (IS)

Yes: Claims

No: Claims

1-25

Industrial applicability (IA)

Yes: Claims

<u>1-25</u>

No: Claims

2. Citations and explanations

see separate sheet

Re Item V.

- 1 Reference is made to the following documents:
 - D1: WO 2005/083228 A (ENHANCED RECOVERY LTD DES [GB]; DONALD IAN [GB]; REID JOHN [GB]; CRAWF) 9 September 2005
 - D2: WO 03/078793 A (ABB OFFSHORE SYSTEMS AS [NO]; OESTERGAARD INGE [NO]) 25 September 2003
 - D3: WO 00/47864 A (FMC CORP [US]; ANDERSEN TORE [NO]; BREDA JOEREN [NO]; GATHERAR NICHOLA) 17 August 2000
 - D4: WO 03/033868 A (ALPHA THAMES LTD [GB]; APPLEFORD DAVID ERIC [GB]; LANE BRIAN WILLIAM [) 24 April 2003
 - D5: WO 2005/047646 A (ENHANCED RECOVERY LTD DES [GB]; DONALD IAN [GB]; REID JOHN [GB]) 26 May 2005 cited in the application

2 INDEPENDENT CLAIM 1

2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

A system, comprising:

- a first module (see fig. 8) configured to process fluid from a well, wherein the first module comprises:
- a processing device (99) coupleable to a manifold;
- a first access tunnel (109) extending through the processing device, wherein
- the access tunnel is configured to provide access to the manifold; (see fig. 6)
- a processing input; and
- a processing output (see fig. 15)
- 2.2 Documents D2-D4 also disclose all technical features of claim 1.

3 DEPENDENT CLAIMS 2-13, 16-19, 21, 22, 24, 25

Dependent claims 2-13, 16-19, 21, 22, 24, 25 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT), see the documents D1-D5 and the corresponding passages cited in the ISR.

Independent claims 14, 15, 20 and 23: lack of clarity of the claims as a whole arises, since the plurality of independant claims makes it difficult, if not impossible, to determine the matter for which protection is sought, and places an undue burden on others seeking to establish the extent of the protection.